



FIG. 1

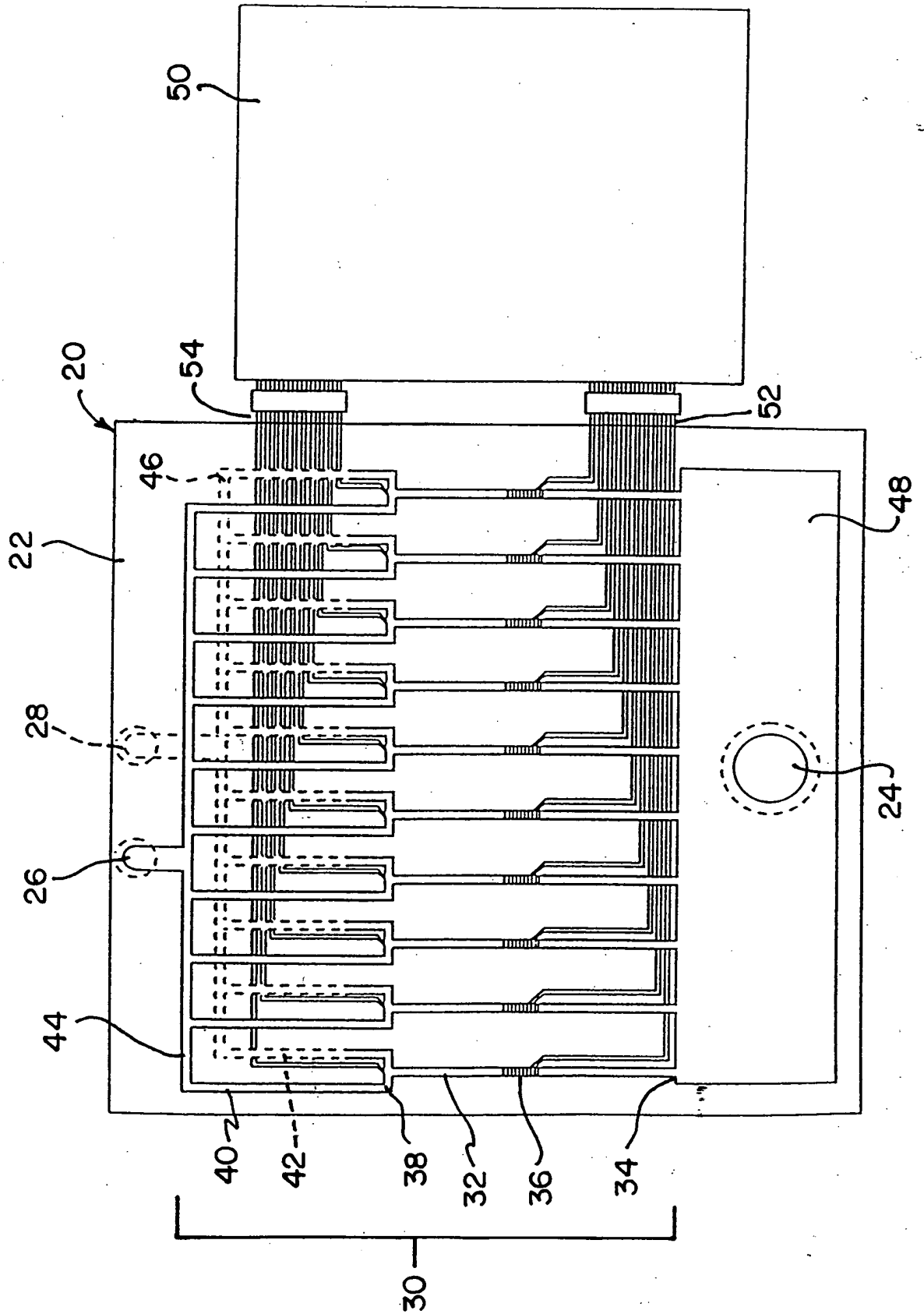


FIG. 2

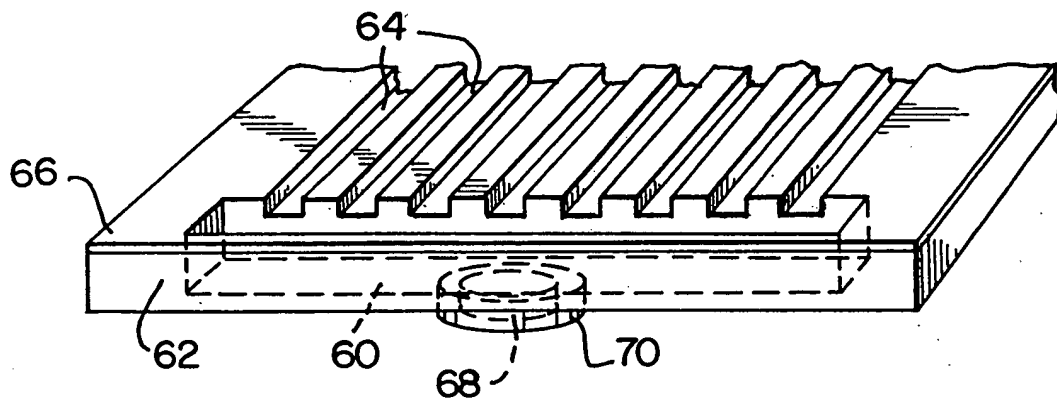


FIG. 3A

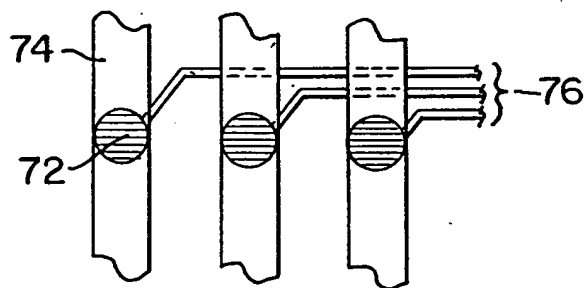


FIG. 3B

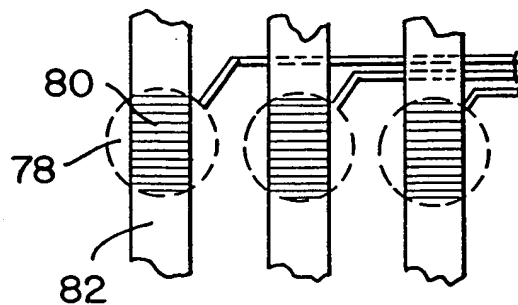


FIG. 4A

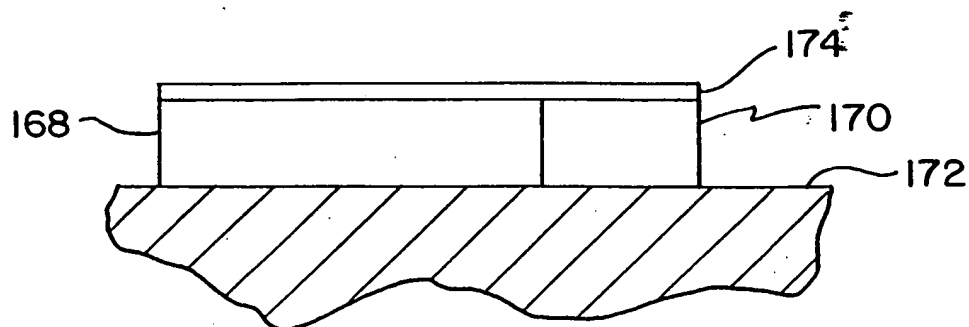


FIG. 4B

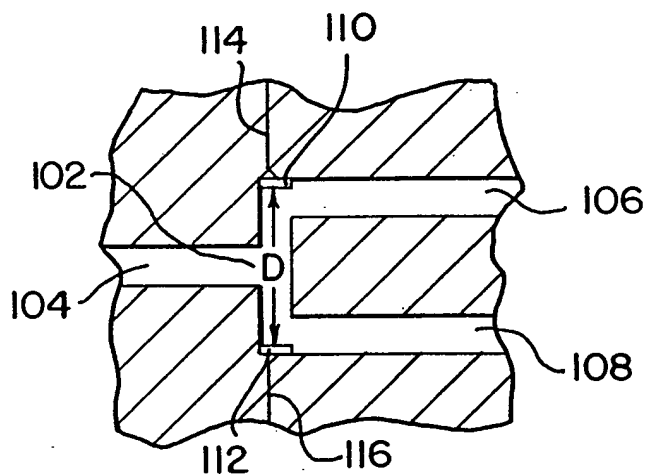
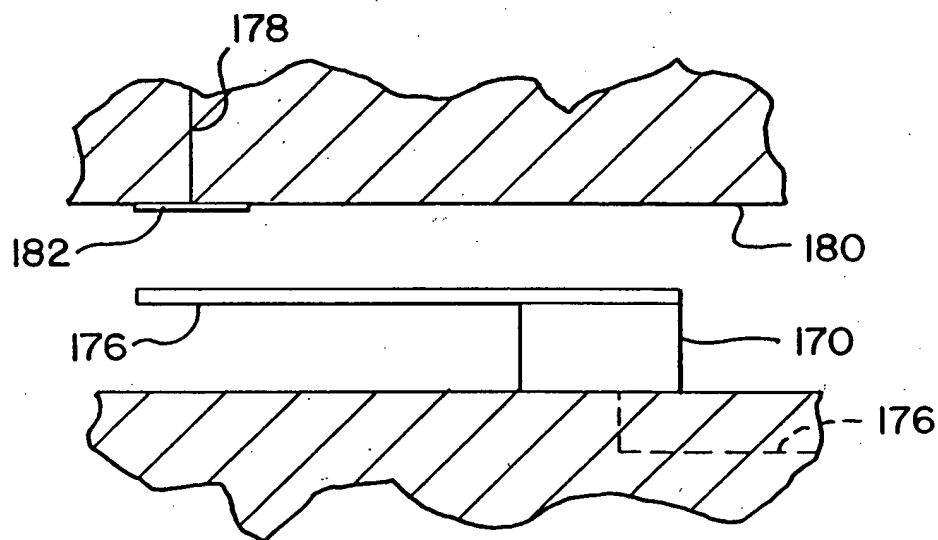


FIG. 5A

FIG. 5B

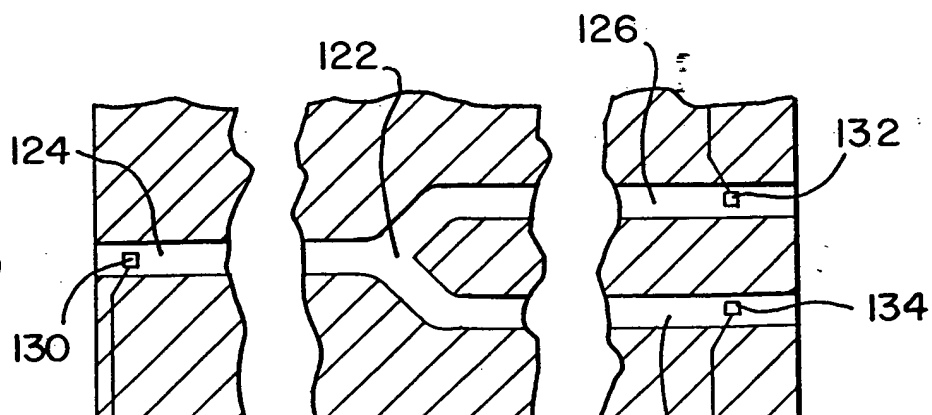


FIG. 5C

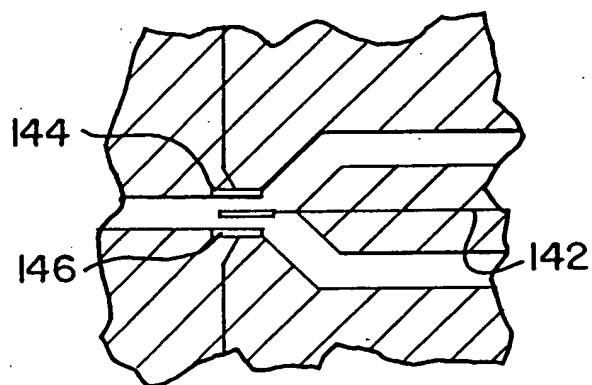


FIG. 5D

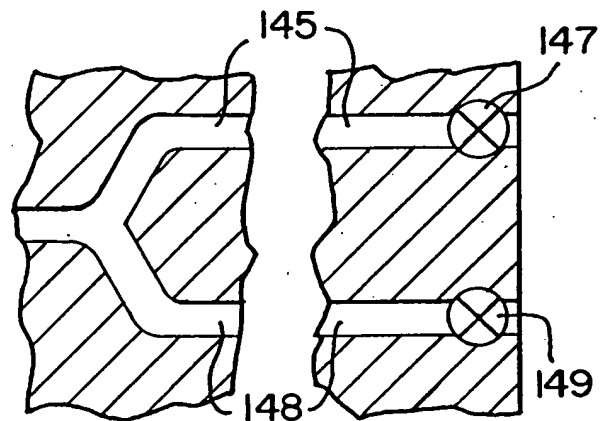
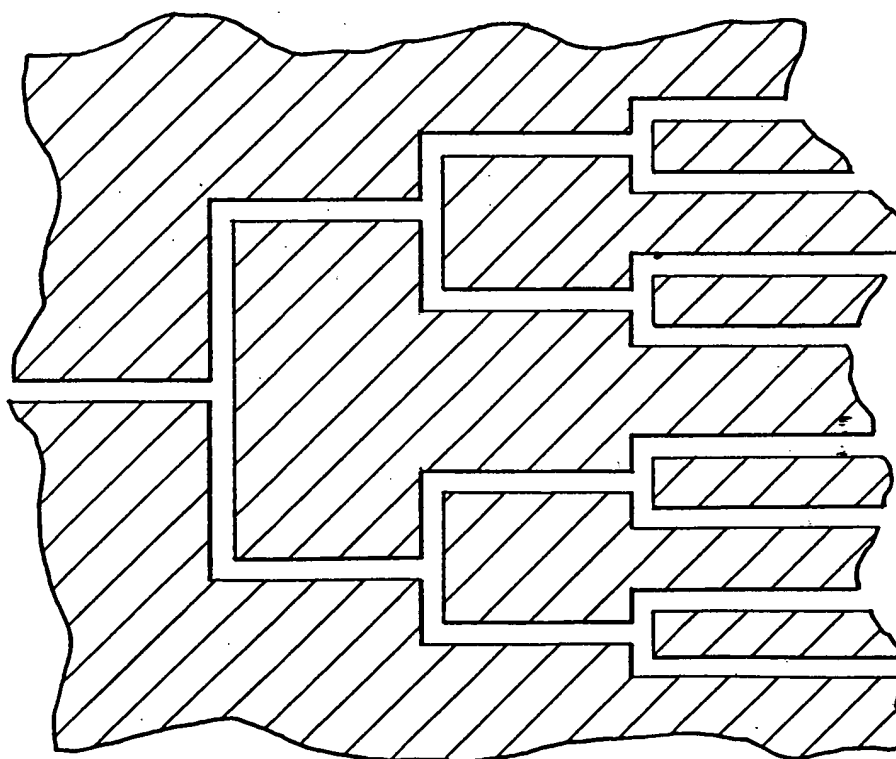


FIG. 6



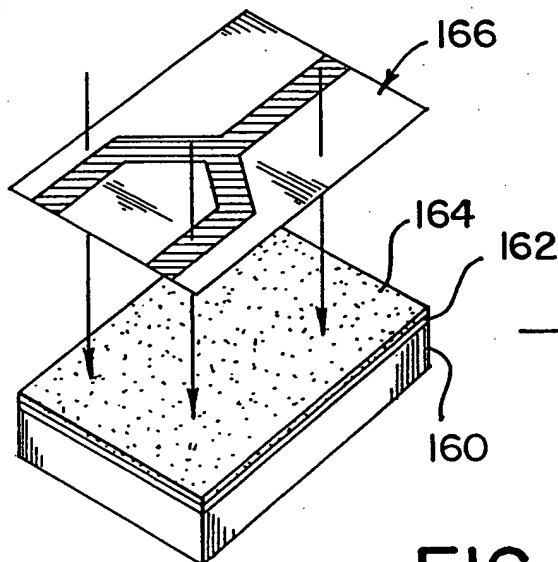


FIG. 7A

DEVELOP  
& RINSETO  
FIG. 7B

FIG. 7B

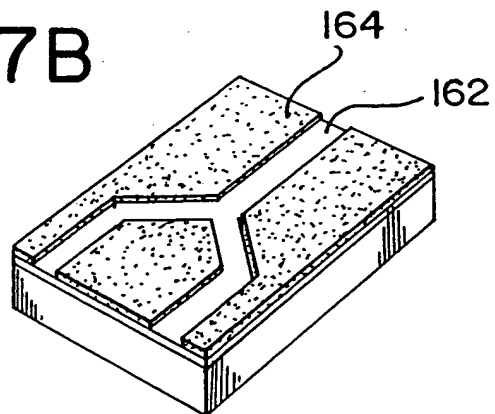
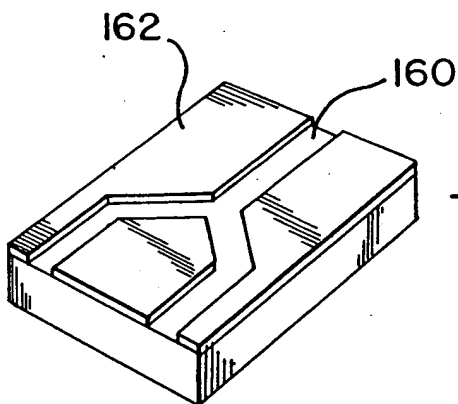
TO  
FIG. 7C1. ETCH  $\text{SiO}_2$   
2. REMOVE  
RESIST

FIG. 7C



ETCH Si

TO  
FIG. 7D

FIG. 7D

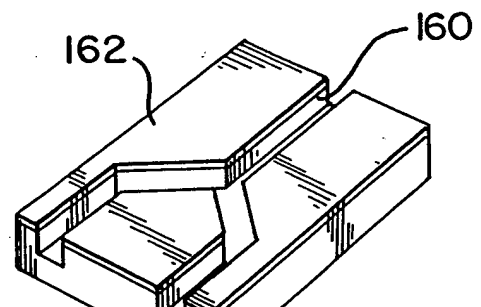


FIG. 8

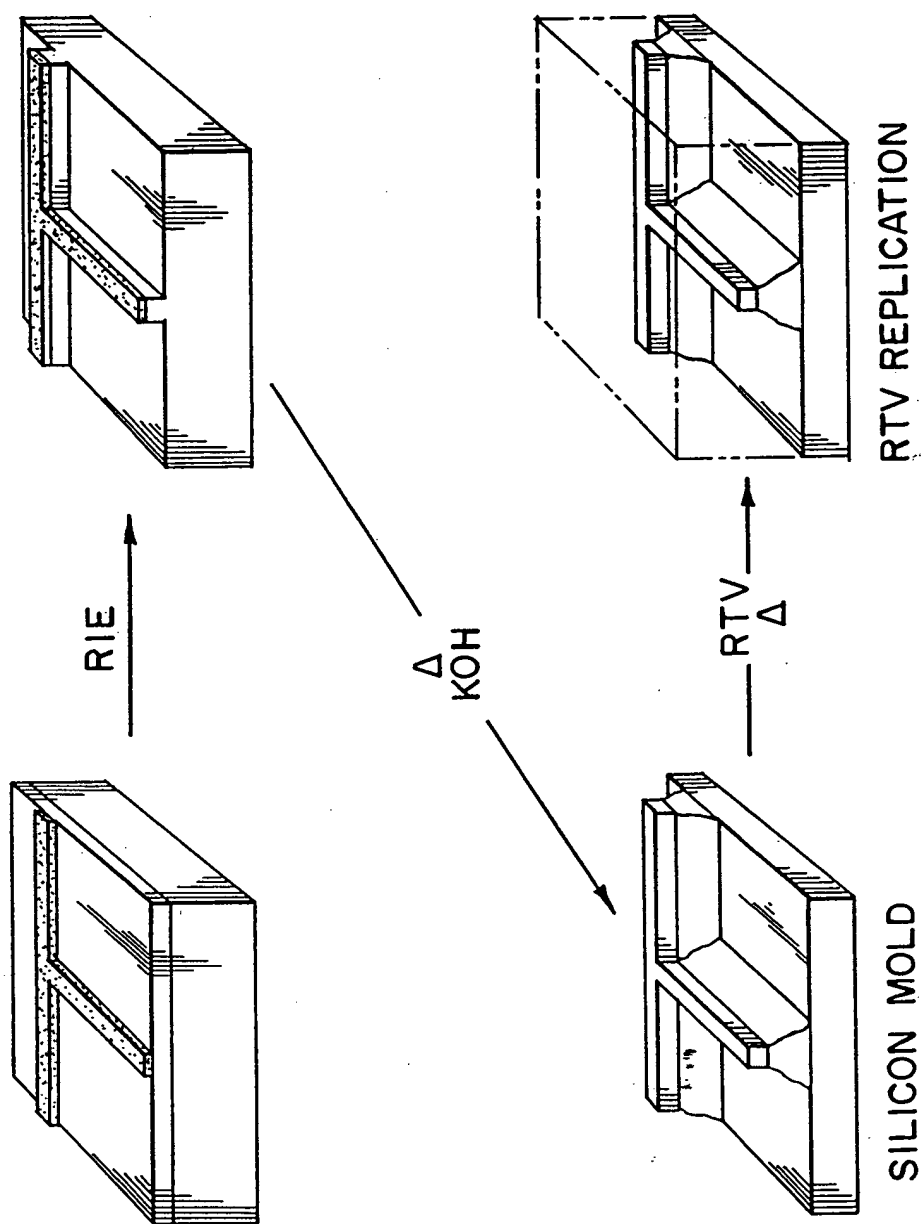
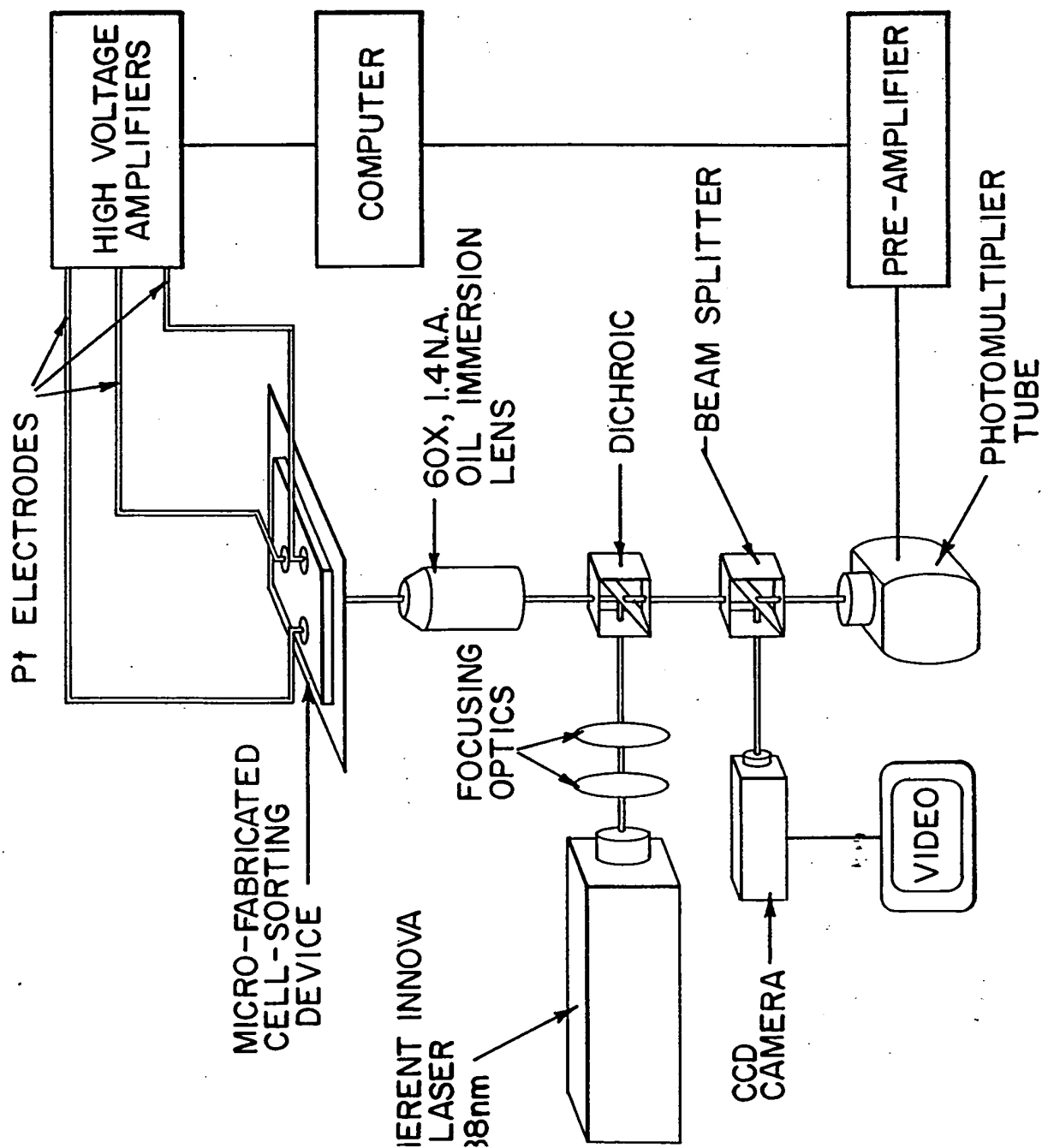


FIG. 9



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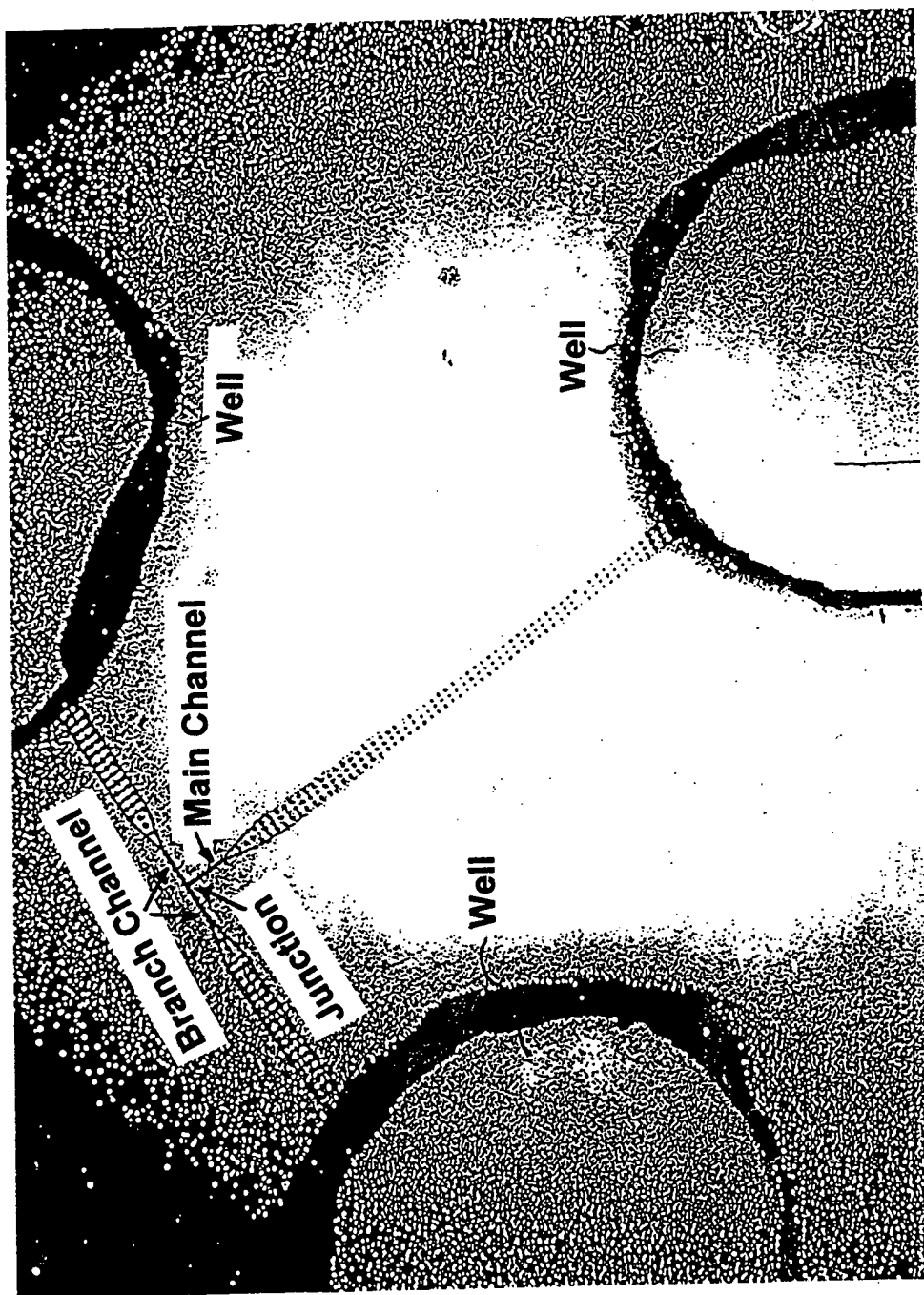


FIG. 10



FIG. IIA

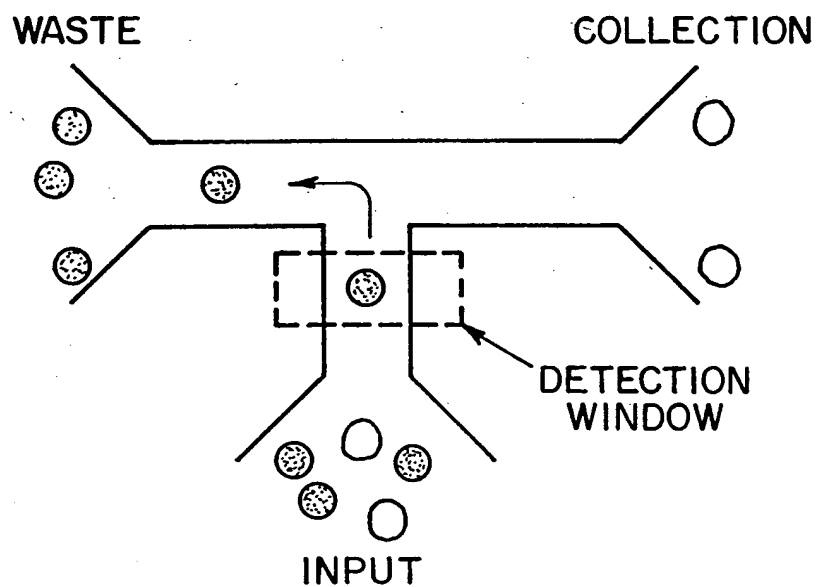


FIG. IIB

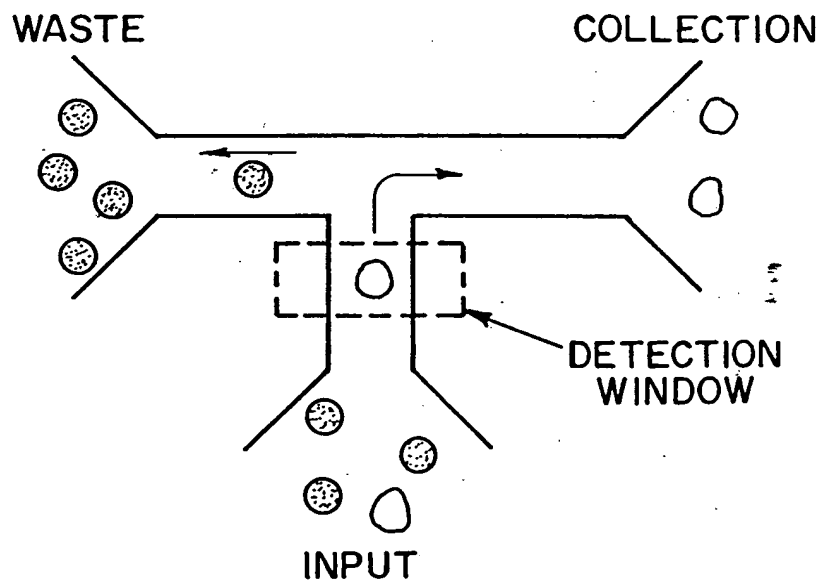


FIG. 12A

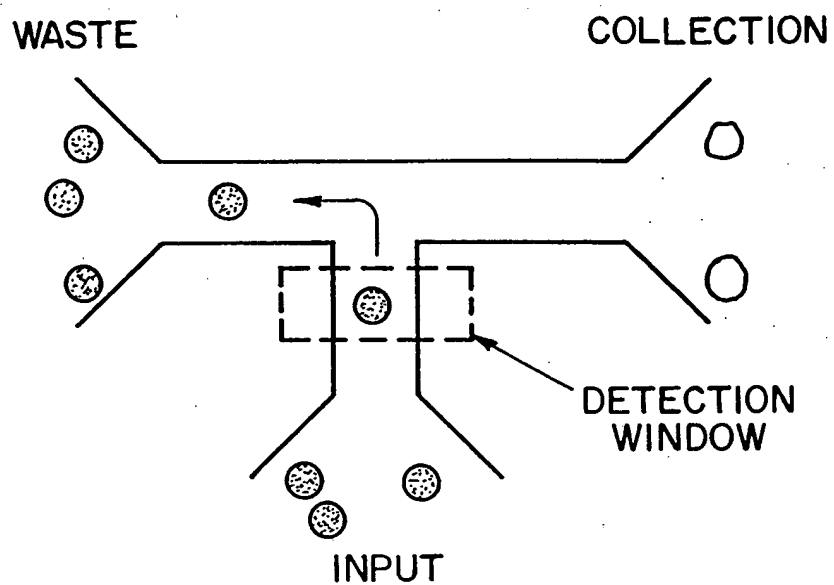
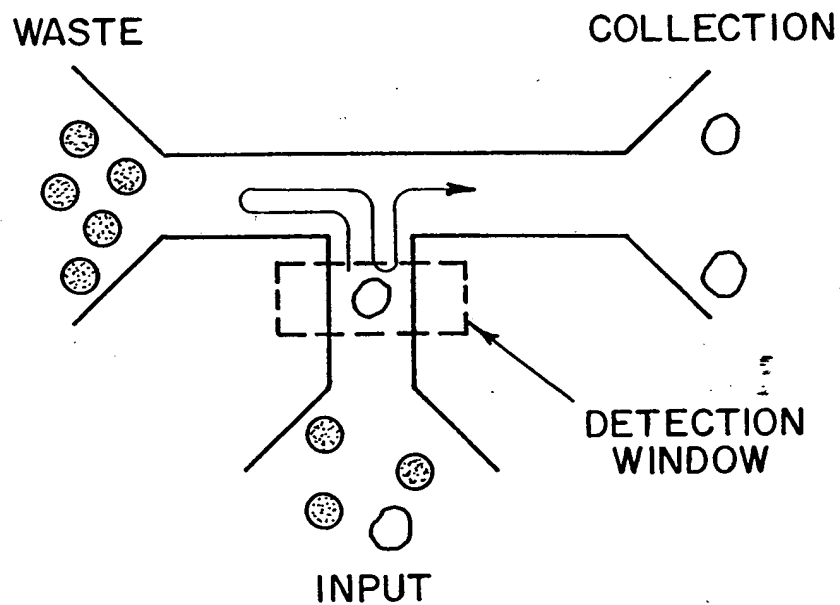
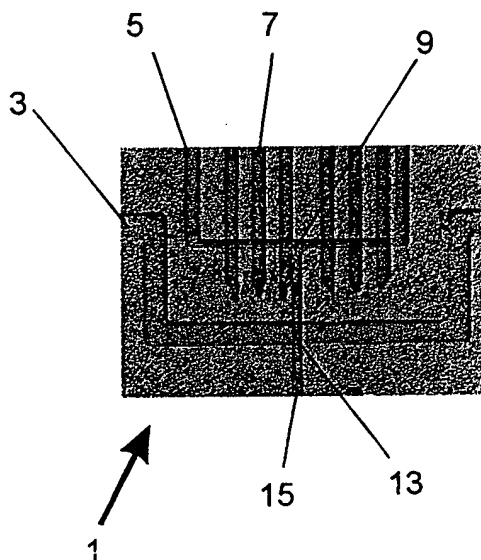
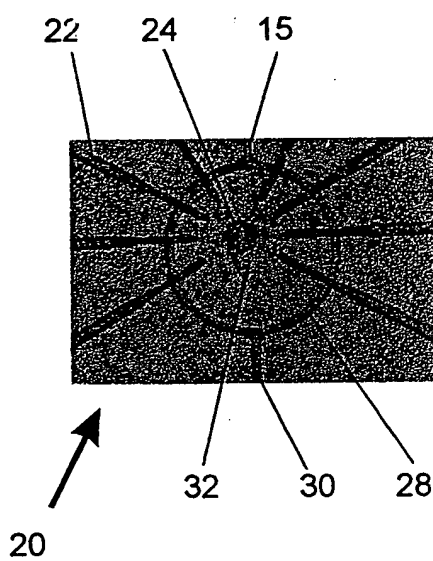


FIG. 12B



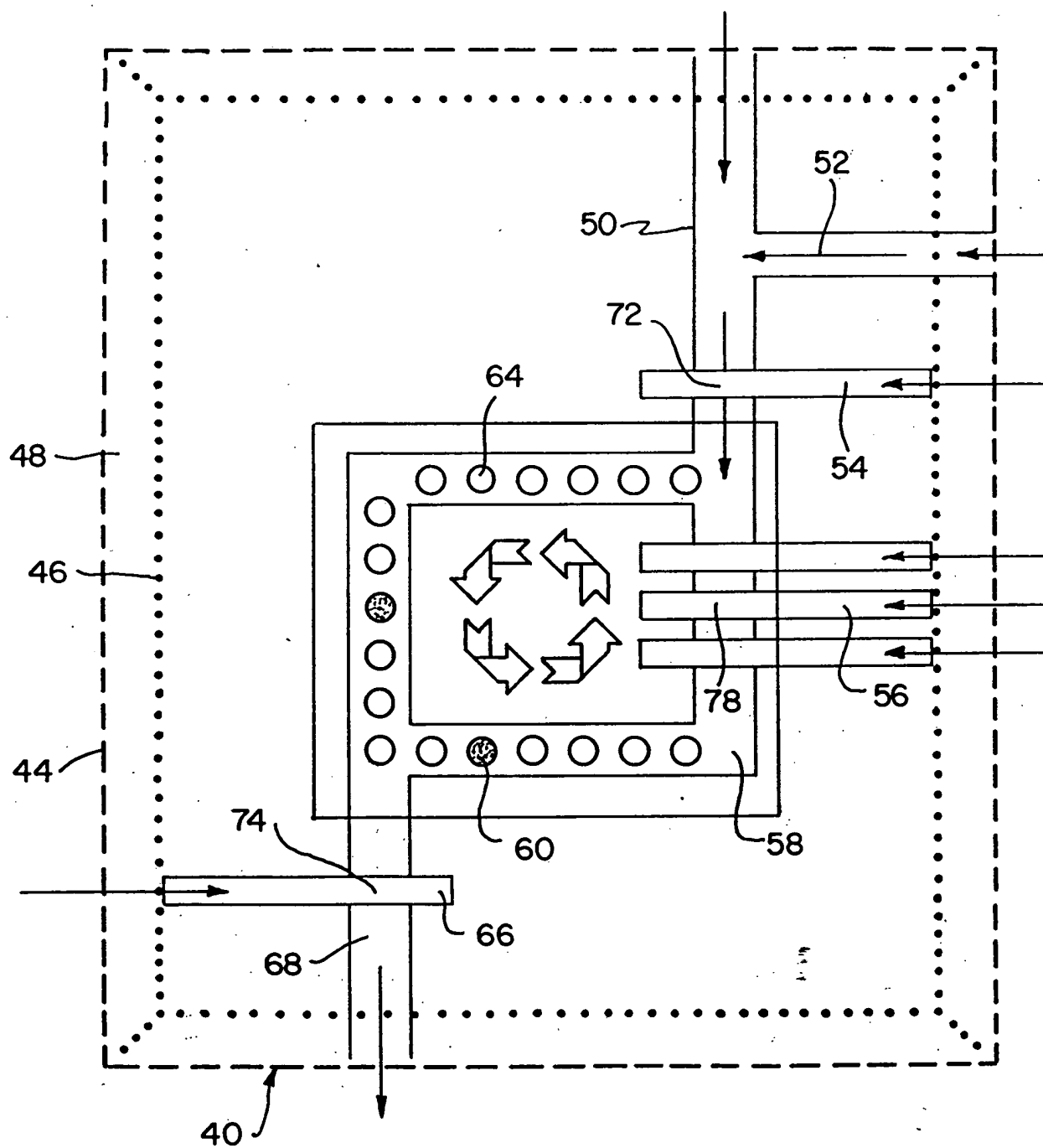


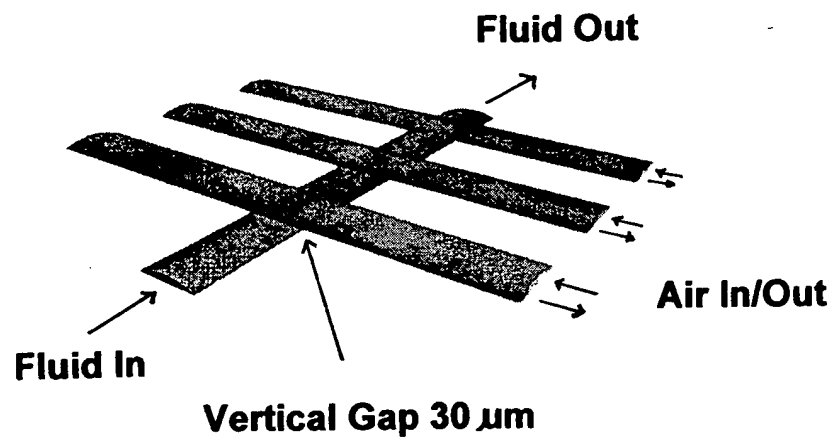
**FIG. 13A**



**FIG. 13B**

FIG. 14





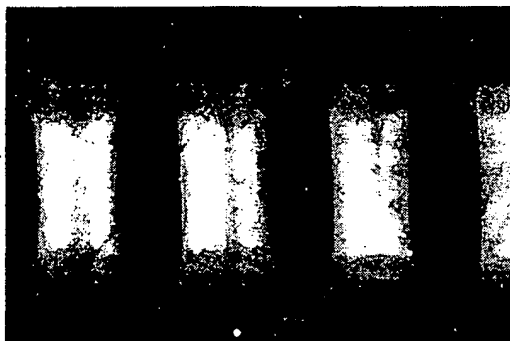
**FIG. 15**



**FIG. 16A**

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**FIG. 16B**



**FIG. 16C**

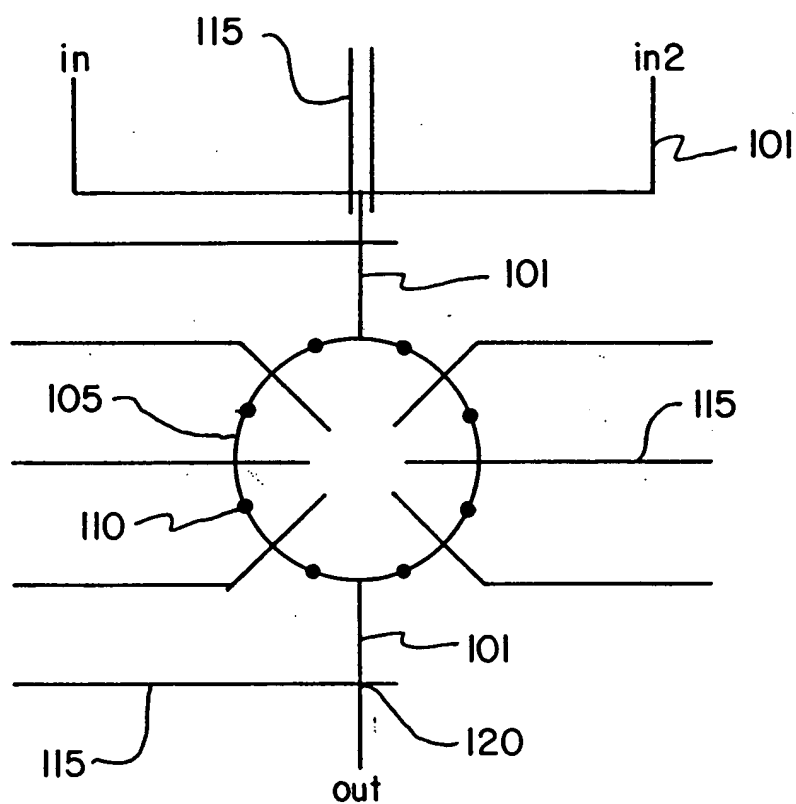
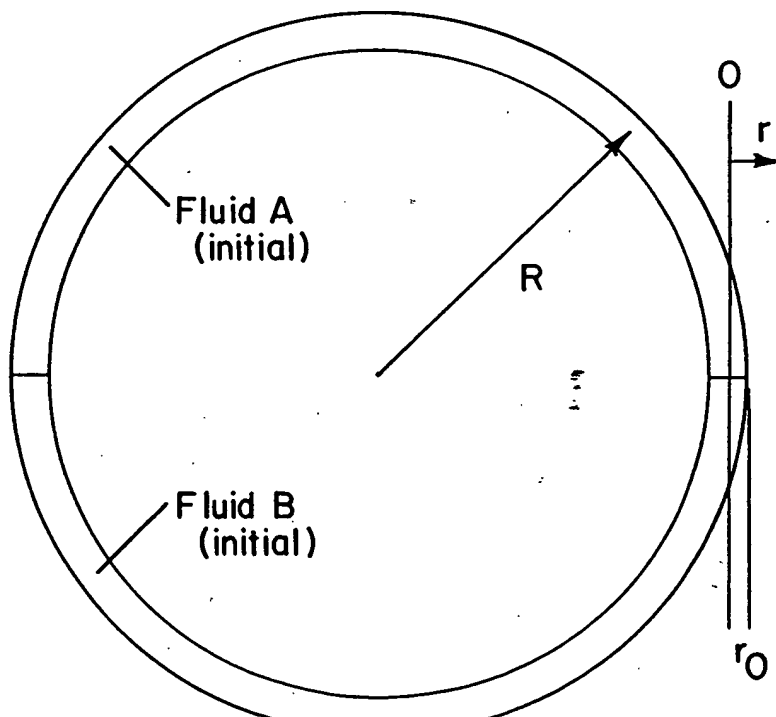


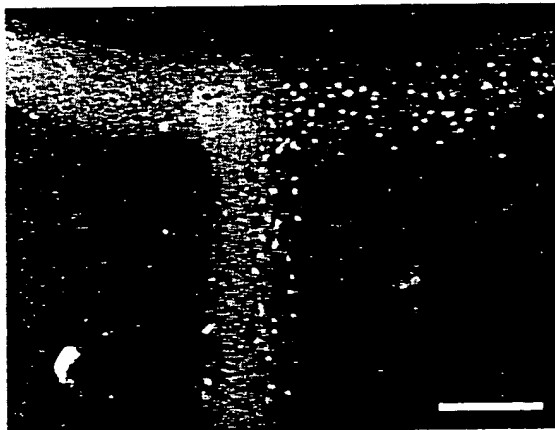
FIG. 17

FIG. 24

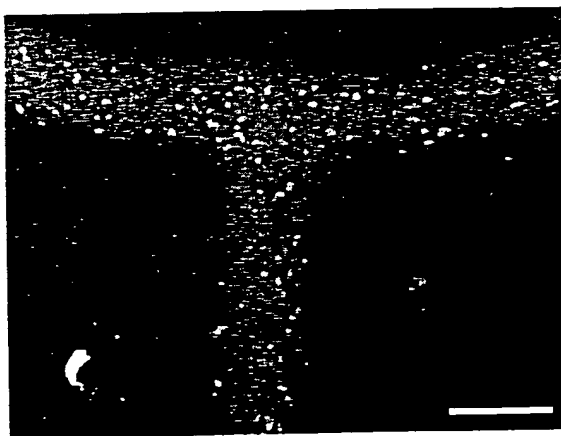


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**FIG. 18A**

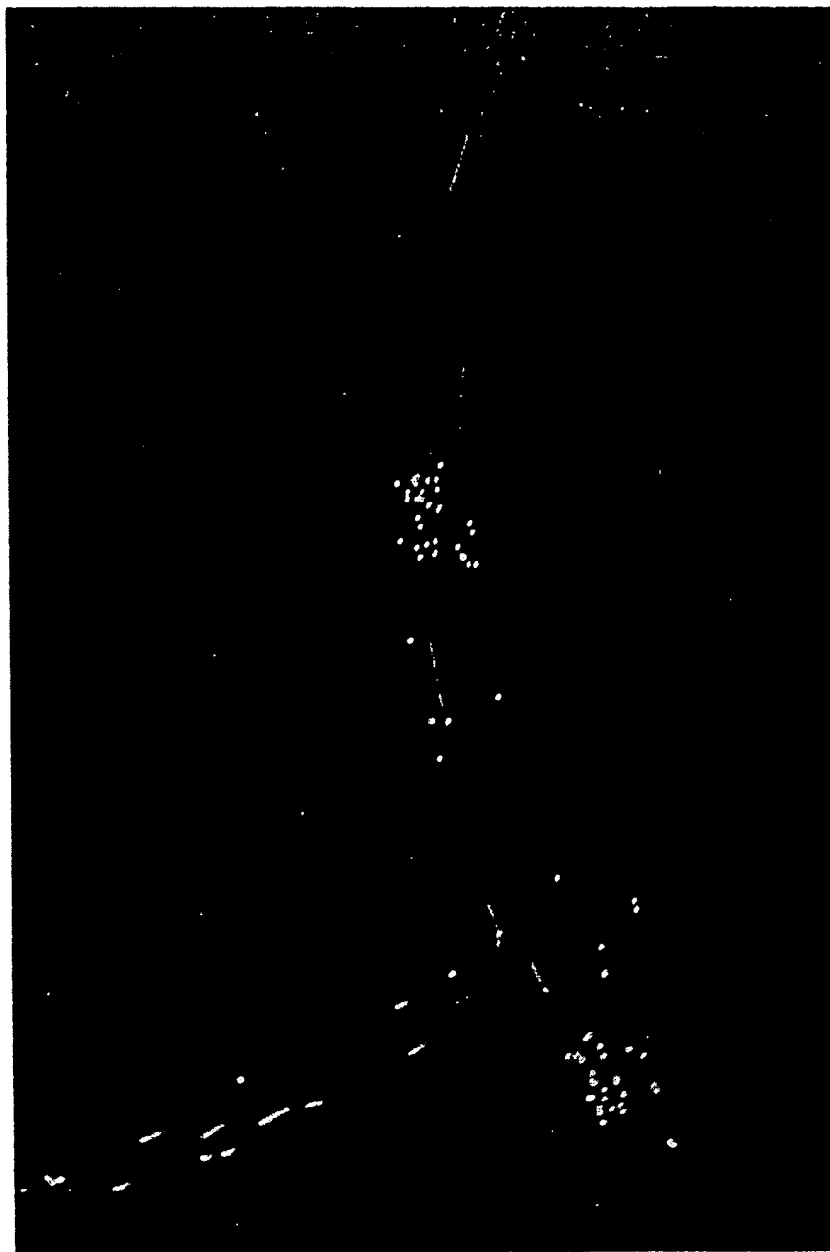


**FIG. 18B**



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**FIG. 19**

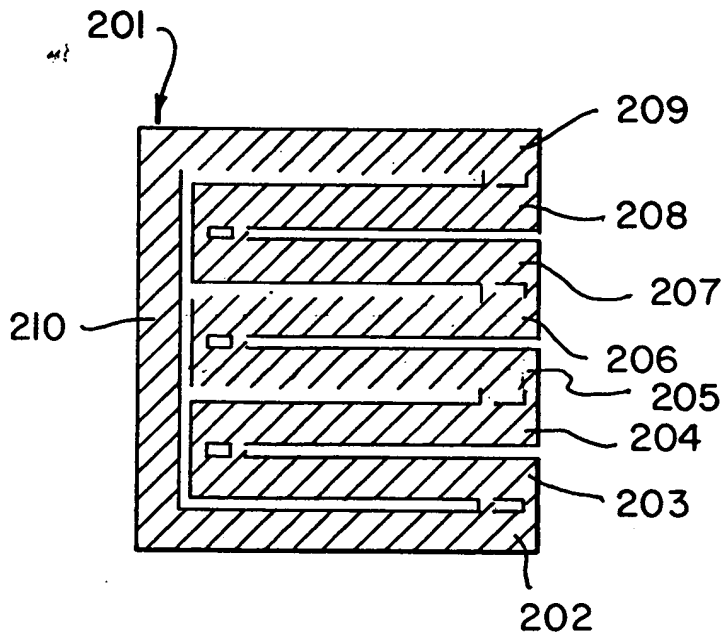


FIG. 20

FIG. 21A

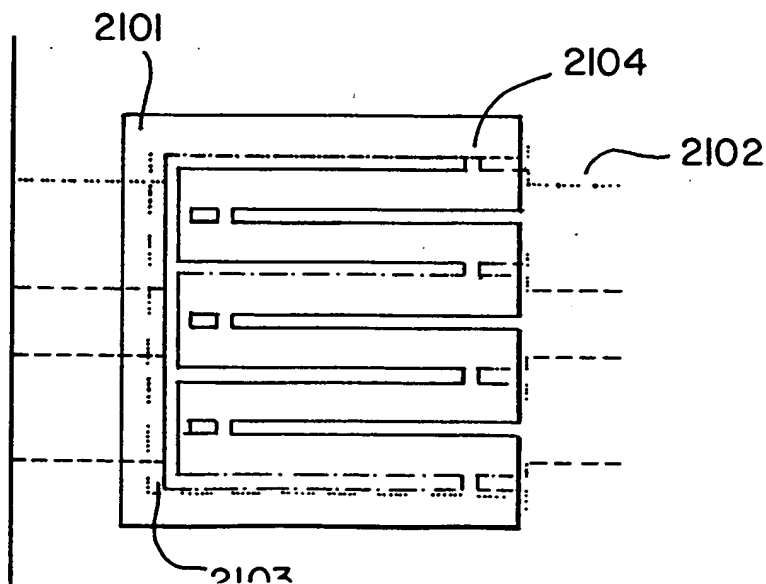
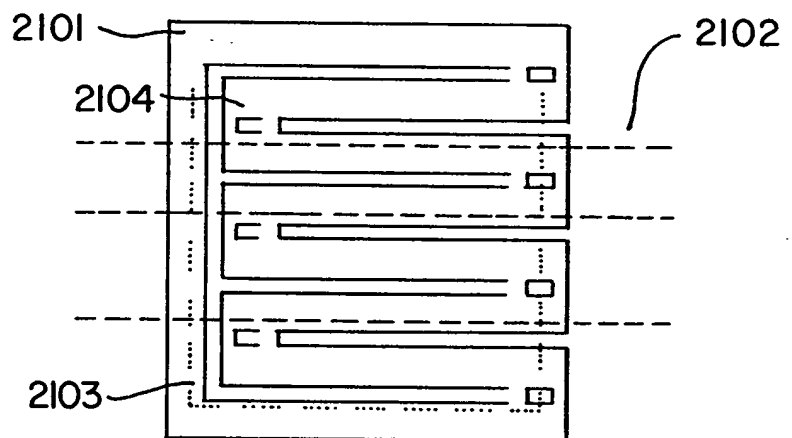


FIG. 21B

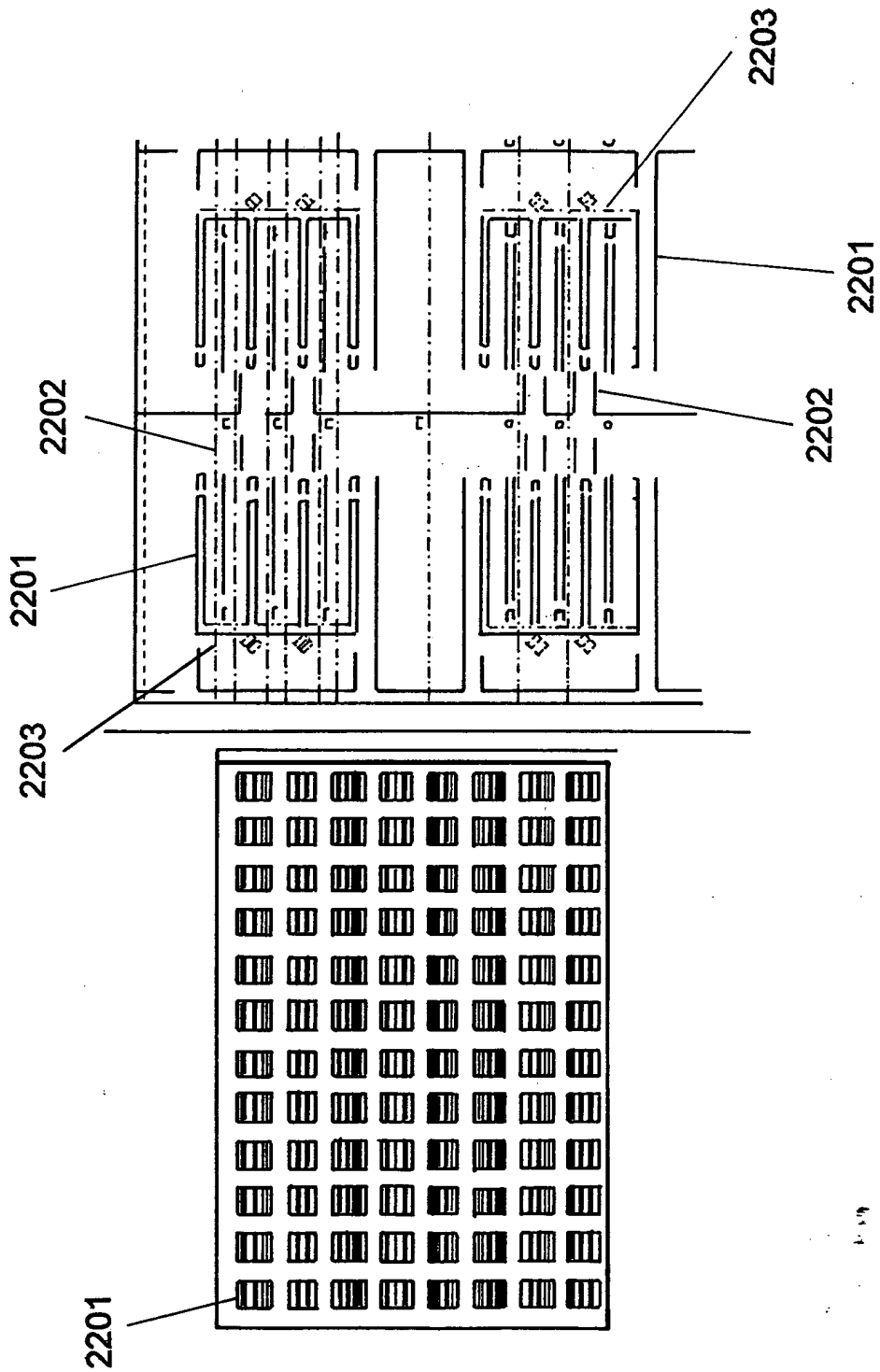
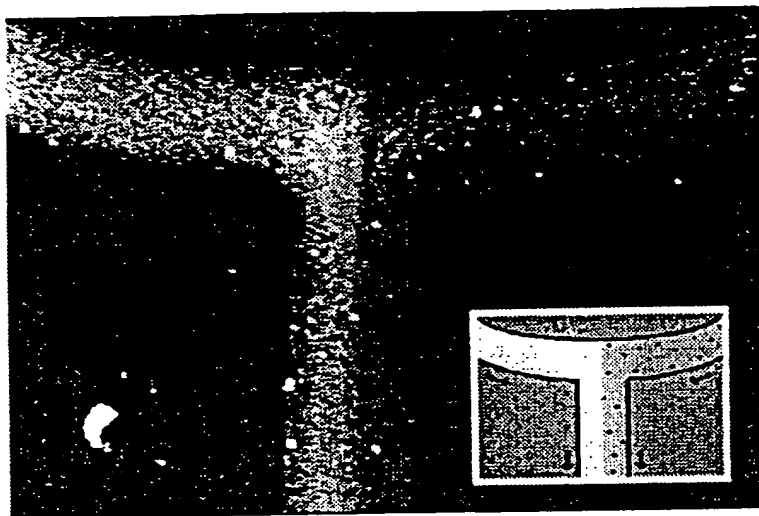
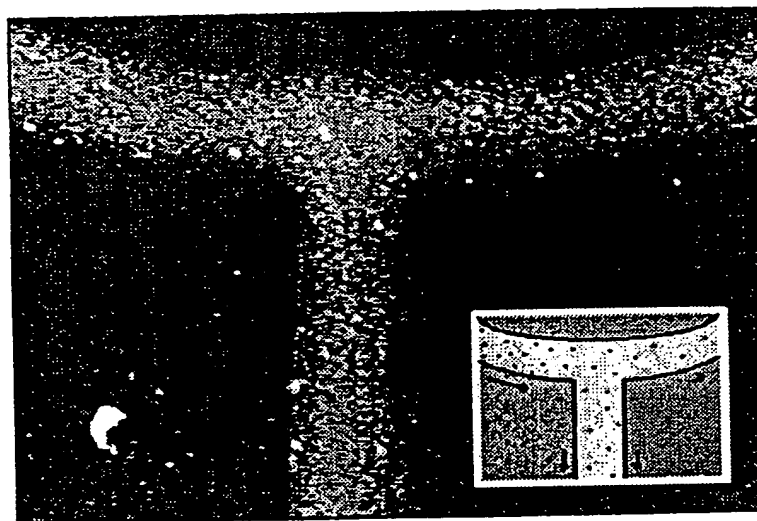


FIG. 22B

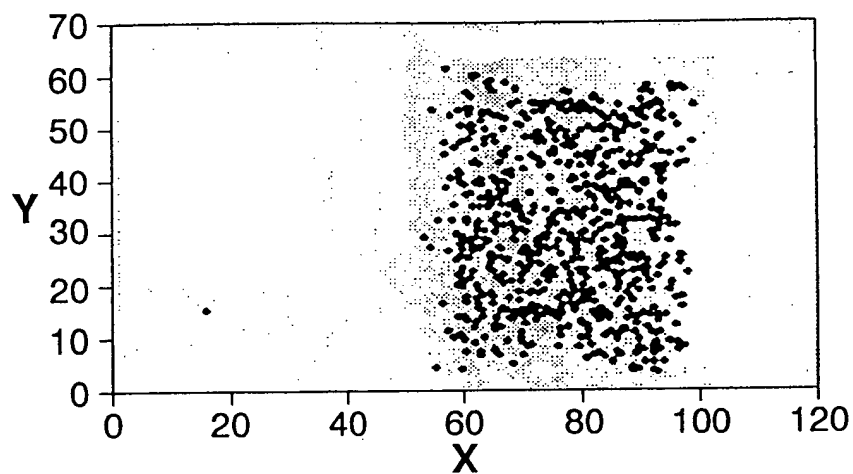
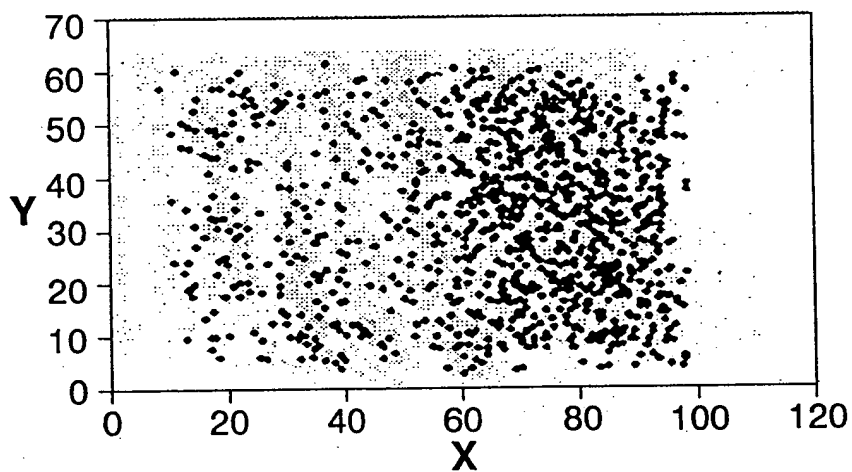
FIG. 22A



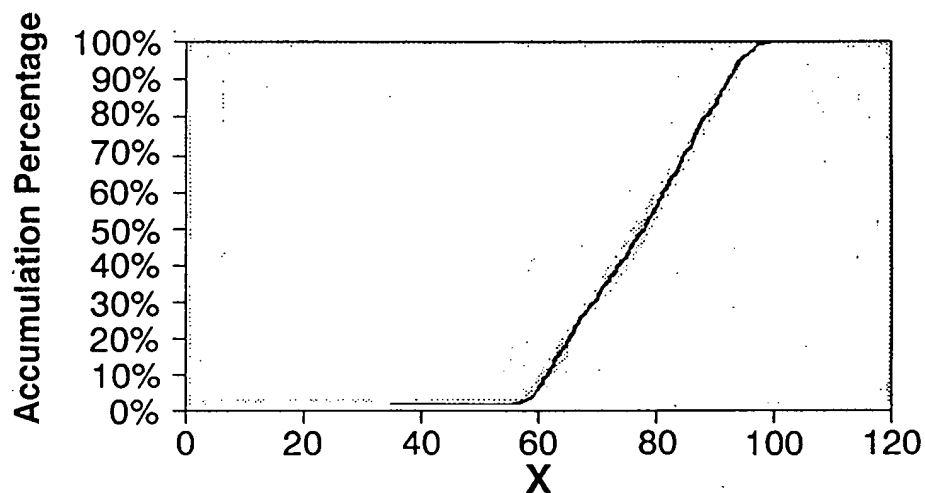
**FIG. 23A**



**FIG. 23B**

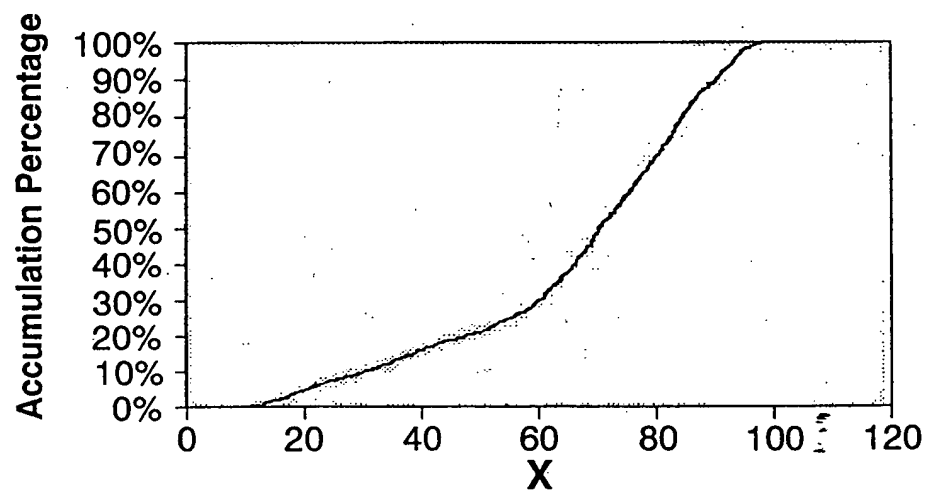
**Normal Flow****FIG. 23C****Rotary Mixing (30Hz, 40kPa)****FIG. 23D**

**Accumulated X Distribution  
Normal Flow**



**FIG. 23E**

**Accumulated X Distribution  
Rotary Mixing (30Hz, 40kPa)**



**FIG. 23F**